

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010419\
 Data File : BG038945.D
 Acq On : 5 Jan 2019 1:02
 Operator : JU/SJ
 Sample : PB116172BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 05 03:04:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

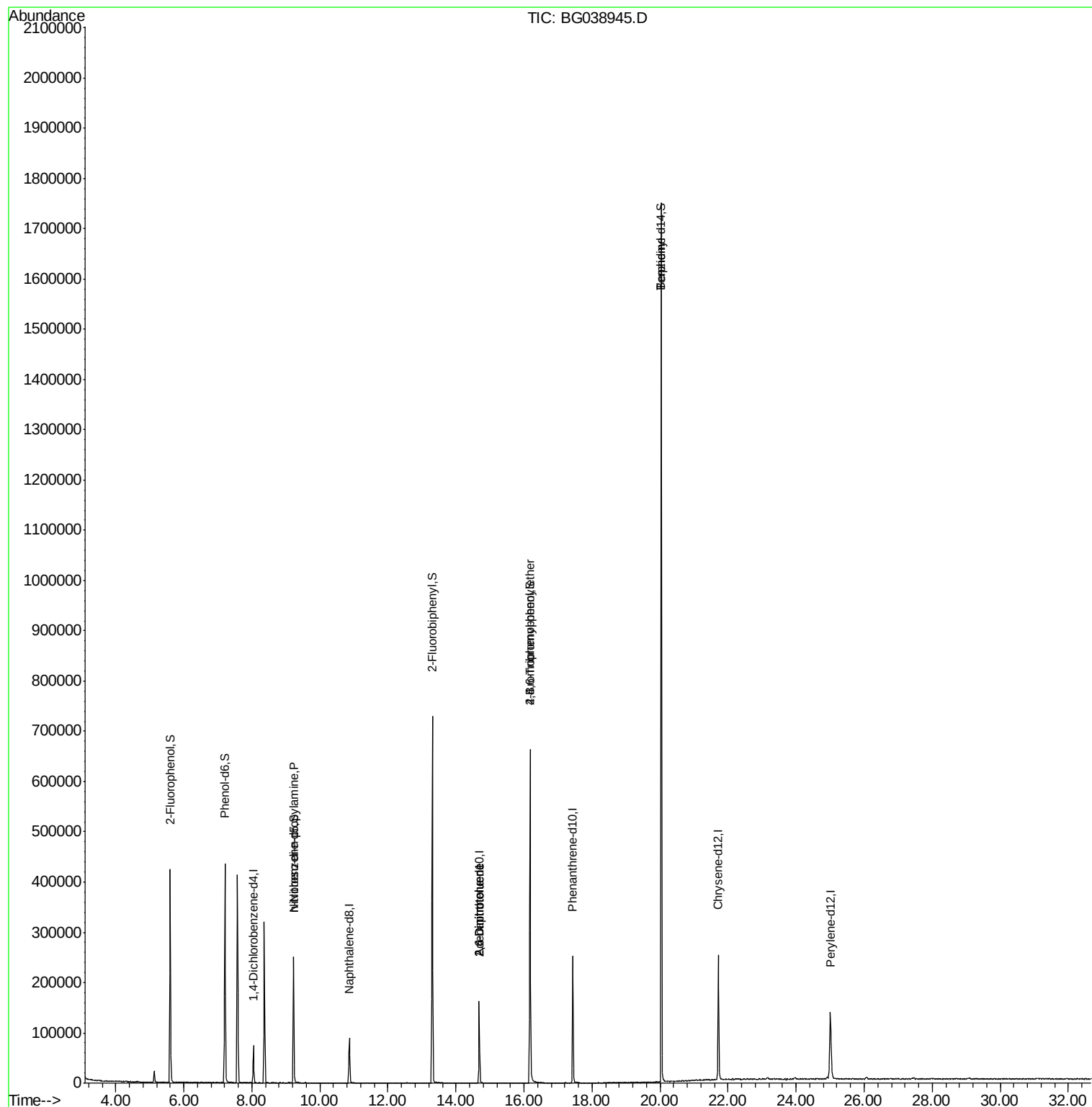
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	20860	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	85720	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	60010	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	169299	20.00	ng	-0.01
76) Chrysene-d12	21.71	240	175699	20.00	ng	-0.02
87) Perylene-d12	25.01	264	181920	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	184135	156.56	ng	0.00
7) Phenol-d6	7.21	99	253211	156.83	ng	0.00
23) Nitrobenzene-d5	9.22	82	151184	90.10	ng	-0.02
42) 2,4,6-Tribromophenol	16.18	330	151971	183.75	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	416485	95.21	ng	-0.02
79) Terphenyl-d14	20.04	244	899821	111.46	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	20476	18.057	ng	# 63
51) 2,6-Dinitrotoluene	14.68	165	7272	6.548	ng	# 19
57) 2,4-Dinitrotoluene	14.68	165	7272	4.649	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	9564	4.626	ng	# 1
77) Benzidine	20.04	184	14812	2.851	ng	95

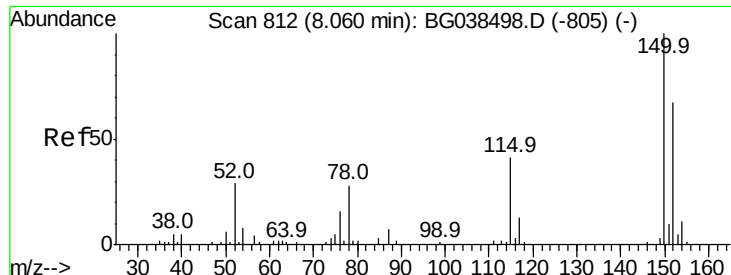
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 843

Delta R.T. -0.02 min

Lab File: BG038945.D

Acq: 5 Jan 2019 1:02

Instrument :

BNA_G

ClientSampled :

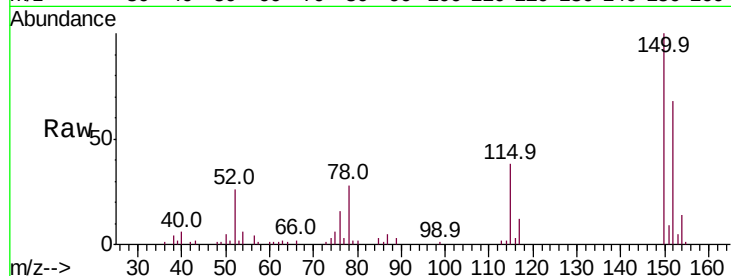
Tot Ion:152 Resp: 20860

Ion Ratio Lower Upper

152 100

150 146.1 119.5 179.3

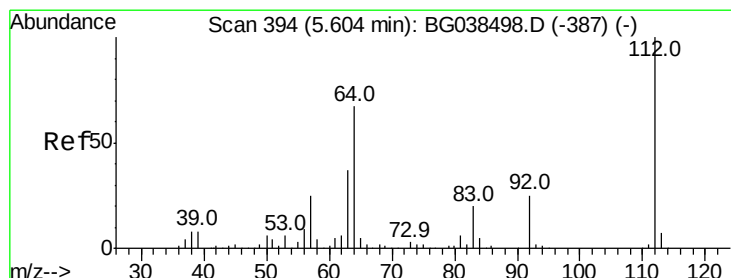
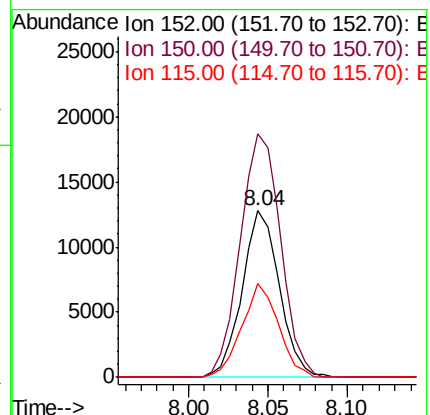
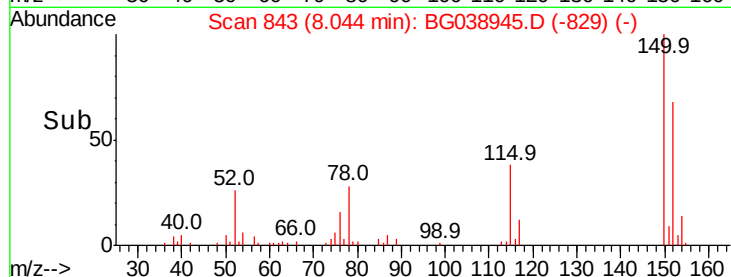
115 56.1 49.6 74.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 156.563 ng

RT: 5.60 min Scan# 427

Delta R.T. -0.00 min

Lab File: BG038945.D

Acq: 5 Jan 2019 1:02

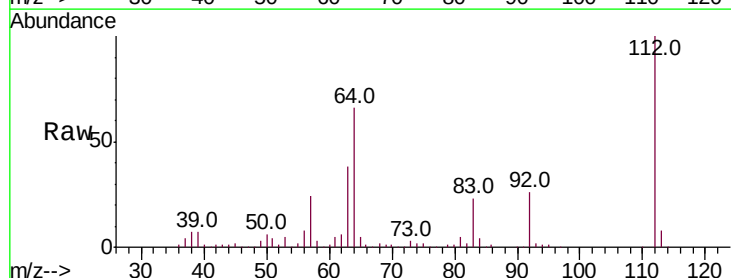
Tgt Ion:112 Resp: 184135

Ion Ratio Lower Upper

112 100

64 66.2 53.4 80.2

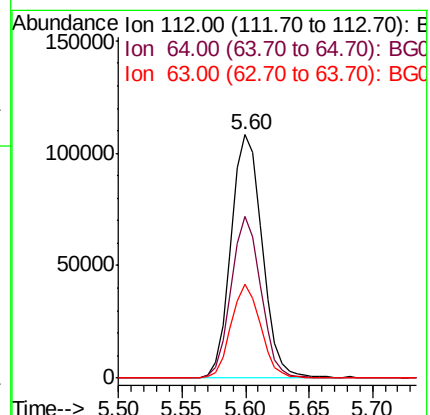
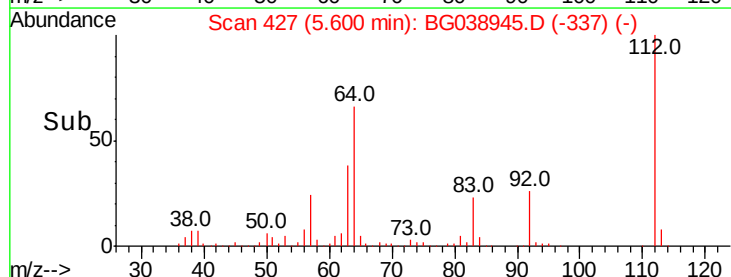
63 38.4 29.3 43.9

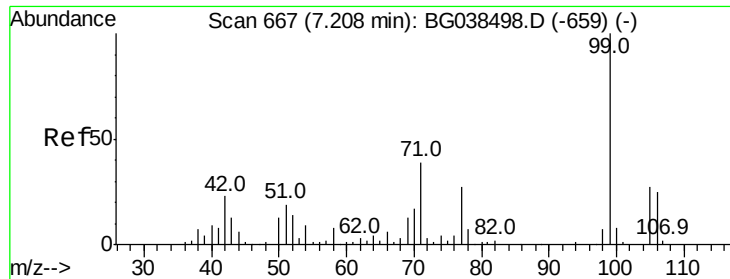


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 156.829 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG038945.D

Acq: 5 Jan 2019 1:02

Instrument :

BNA_G

ClientSampleId :

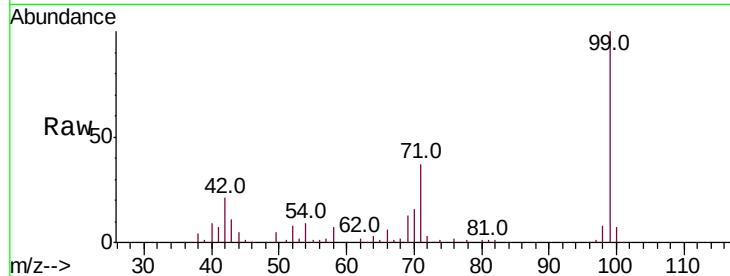
Tot Ion: 99 Resp: 253211

Ion Ratio Lower Upper

99 100

42 20.7 18.5 27.7

71 37.0 31.1 46.7

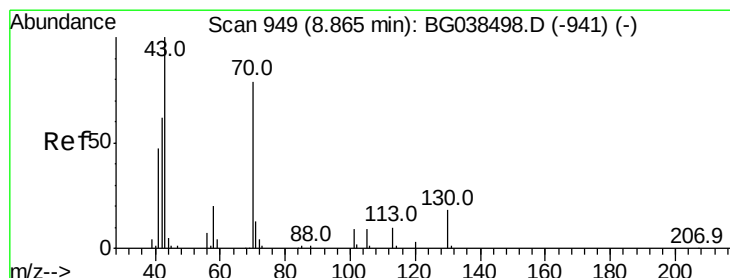
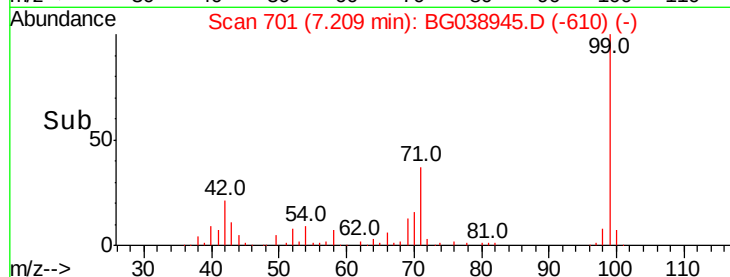
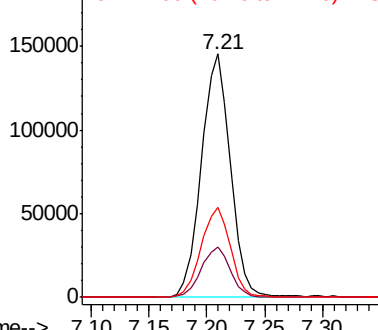


Abundance

Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 18.057 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.36 min

Lab File: BG038945.D

Acq: 5 Jan 2019 1:02

Tgt Ion: 70 Resp: 20476

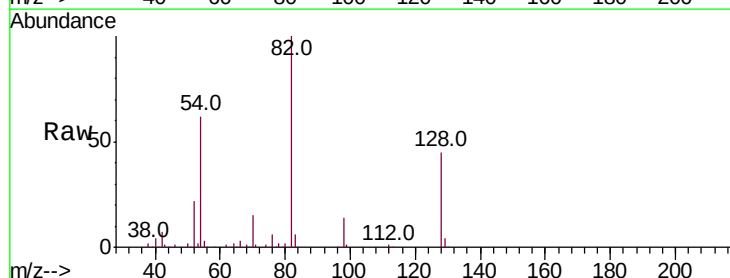
Ion Ratio Lower Upper

70 100

42 47.1 63.6 95.4#

101 0.0 9.2 13.8#

130 2.1 18.5 27.7#



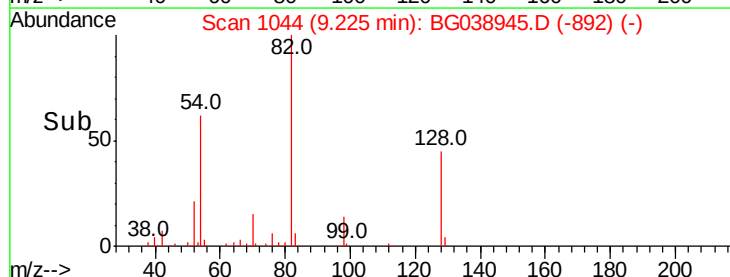
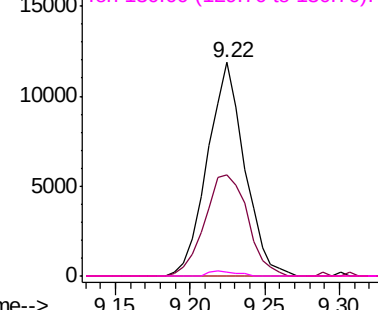
Abundance

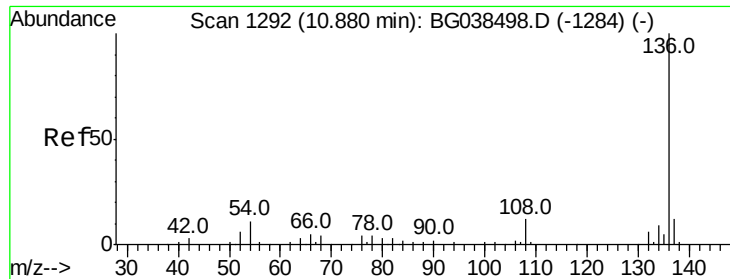
Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

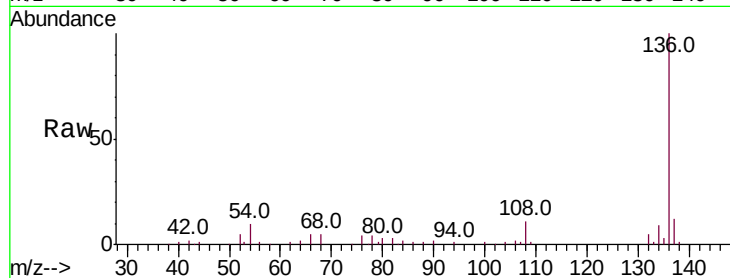




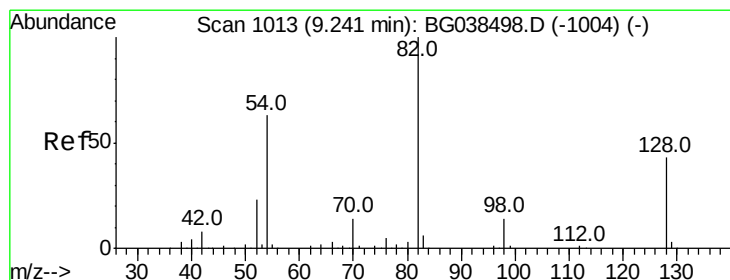
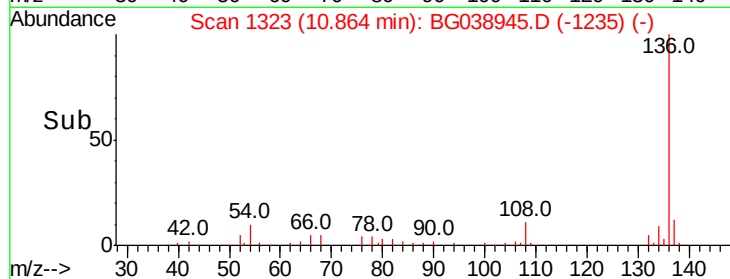
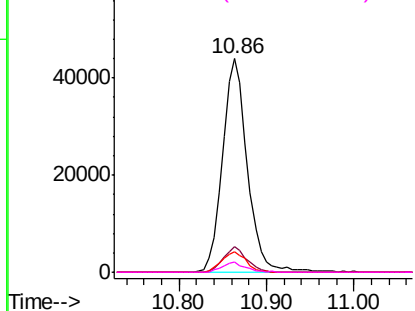
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038945.D
Acq: 5 Jan 2019 1:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	85720
Ion Ratio	Lower	Upper
136	100	
137	12.1	9.3 13.9
54	9.6	8.5 12.7
68	4.9	3.5 5.3

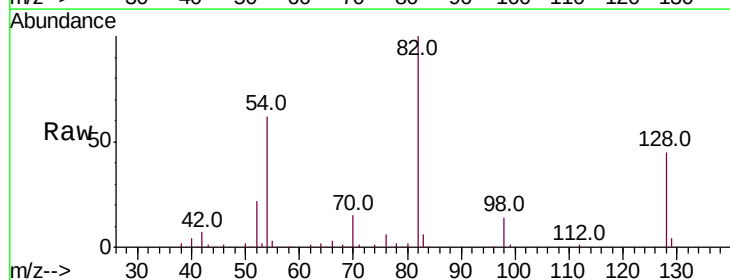


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

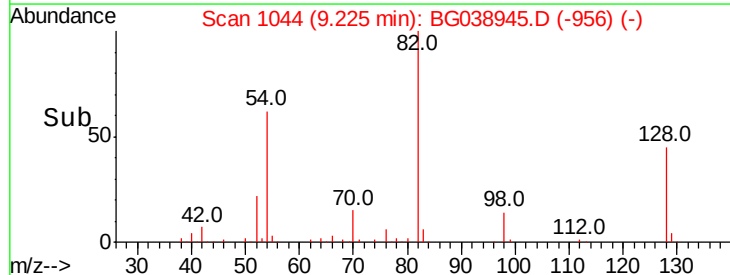
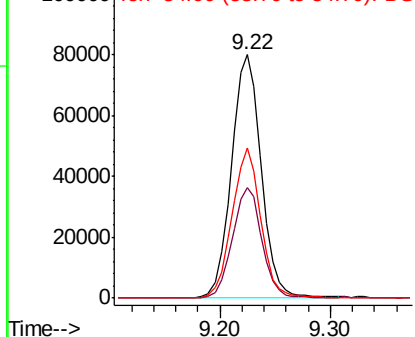


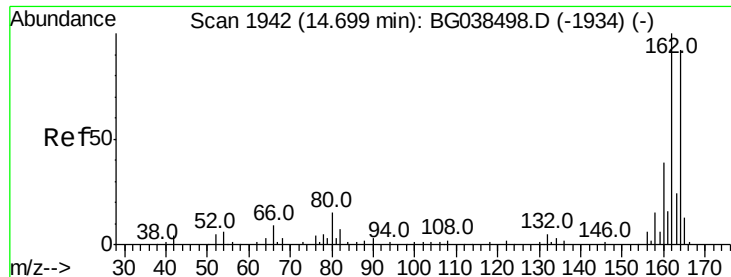
#23
Nitrobenzene-d5
Concen: 90.102 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038945.D
Acq: 5 Jan 2019 1:02

Tgt Ion: 82	Resp:	151184
Ion Ratio	Lower	Upper
82	100	
128	45.3	34.6 52.0
54	61.7	50.6 76.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.02 min

Lab File: BG038945.D

Acq: 5 Jan 2019 1:02

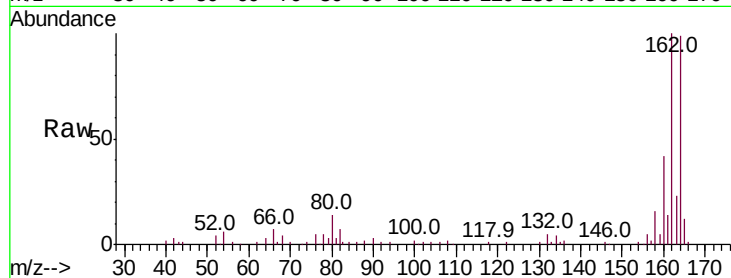
Instrument :

BNA_G

ClientSampled :

Tot Ion:164 Resp: 60010

Ion	Ratio	Lower	Upper
164	100		
162	101.4	86.6	130.0
160	42.6	34.2	51.2

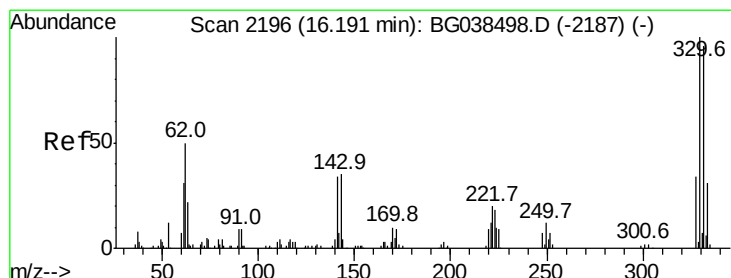
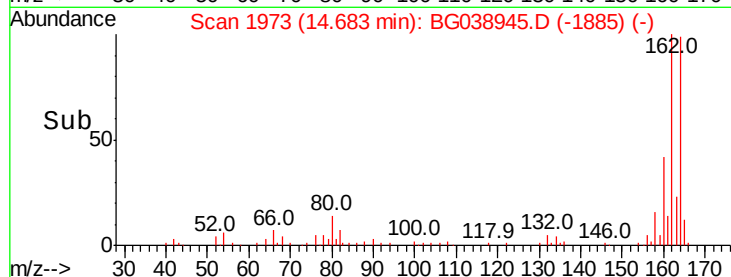
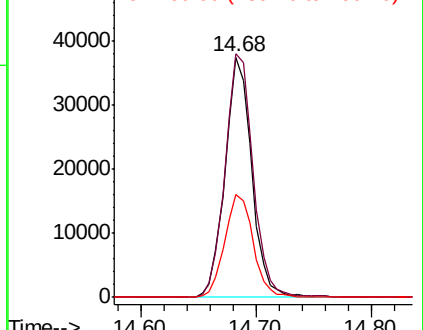


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 183.752 ng

RT: 16.18 min Scan# 2228

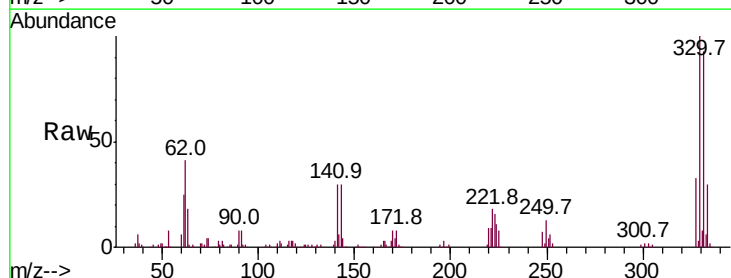
Delta R.T. -0.01 min

Lab File: BG038945.D

Acq: 5 Jan 2019 1:02

Tgt Ion:330 Resp: 151971

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.9	115.3
141	32.9	28.8	43.2

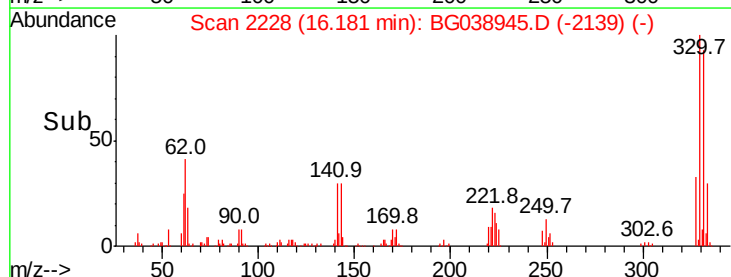
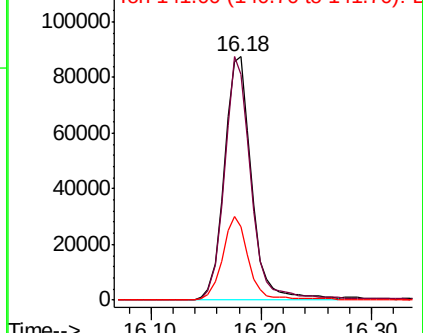


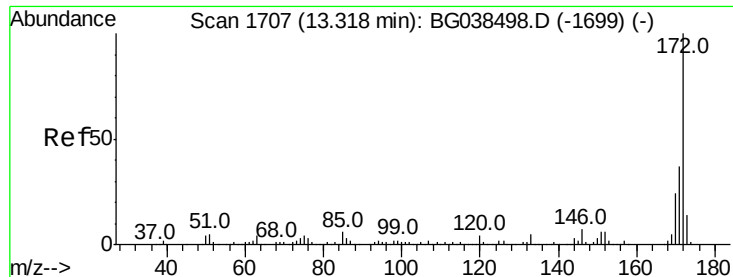
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

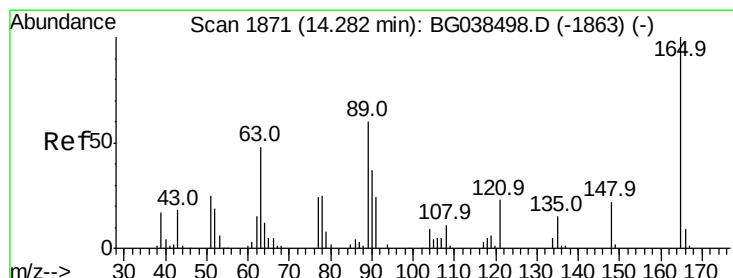
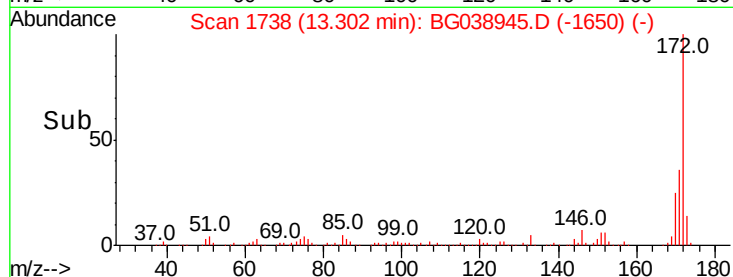
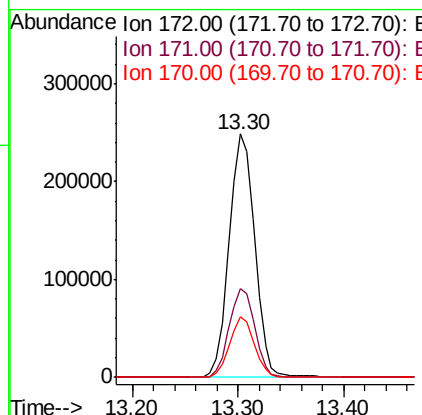
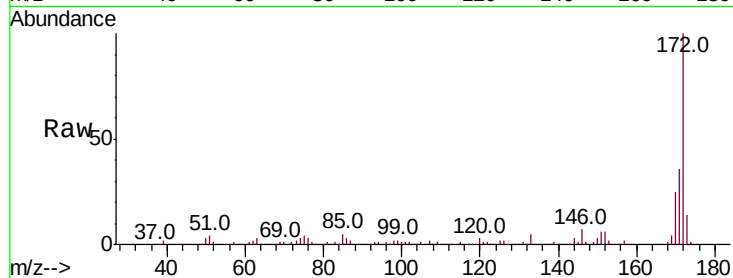




#45
 2-Fluorobiphenyl
 Concen: 95.210 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG038945.D
 Acq: 5 Jan 2019 1:02

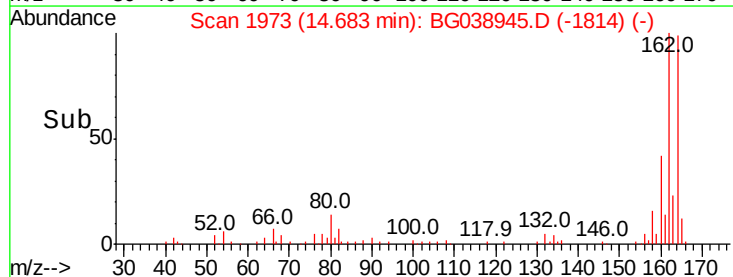
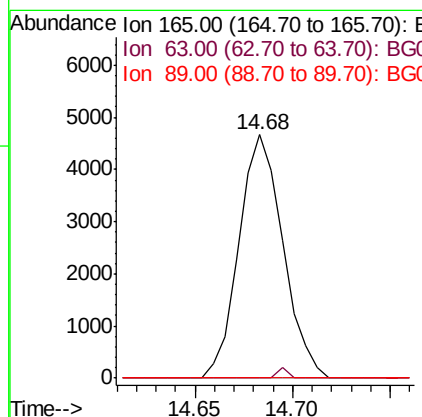
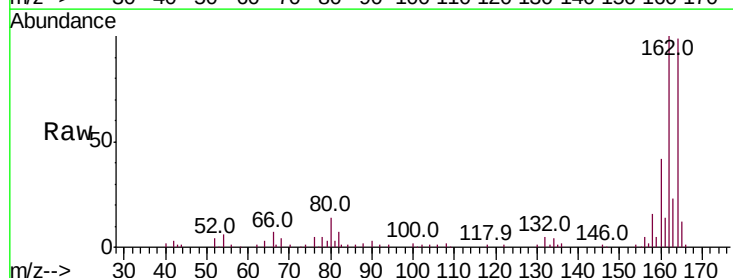
Instrument :
 BNA_G
 ClientSampleId :

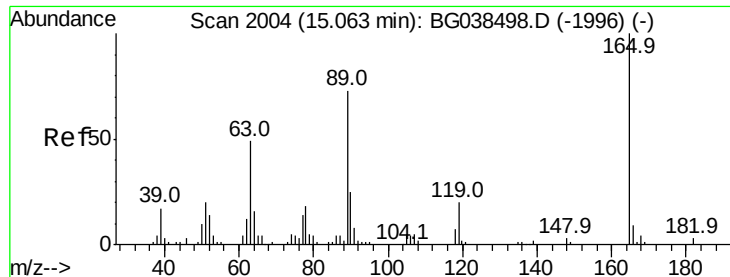
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.8	44.6
170	25.0	19.5	29.3



#51
 2,6-Dinitrotoluene
 Concen: 6.548 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.40 min
 Lab File: BG038945.D
 Acq: 5 Jan 2019 1:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	0.0	47.9	71.9#

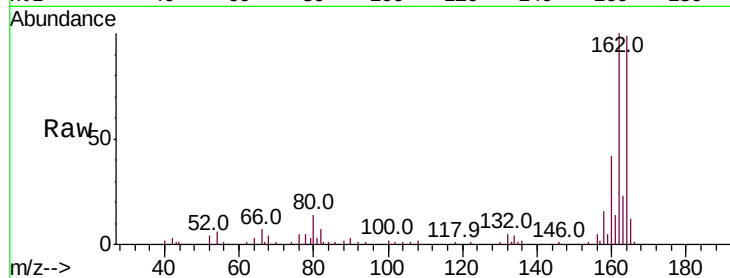




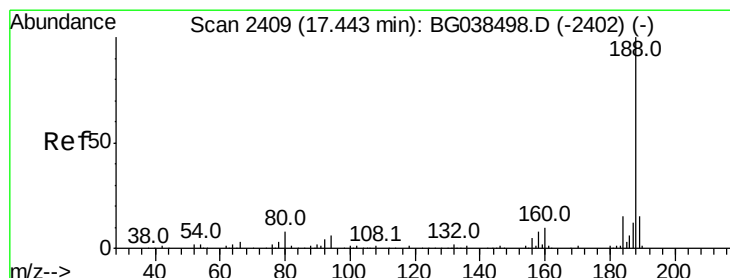
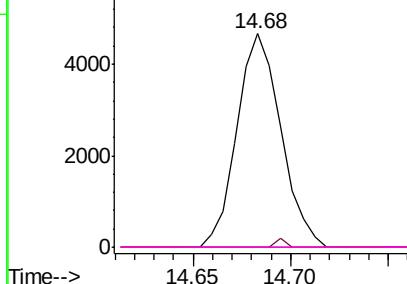
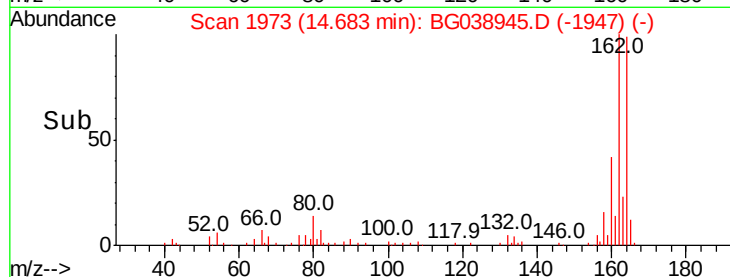
#57
 2,4-Dinitrotoluene
 Concen: 4.649 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.38 min
 Lab File: BG038945.D
 Acq: 5 Jan 2019 1:02

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 7272
 Ion Ratio Lower Upper
 165 100
 63 0.0 39.0 58.4#
 89 0.0 58.0 87.0#
 182 0.0 2.3 3.5#

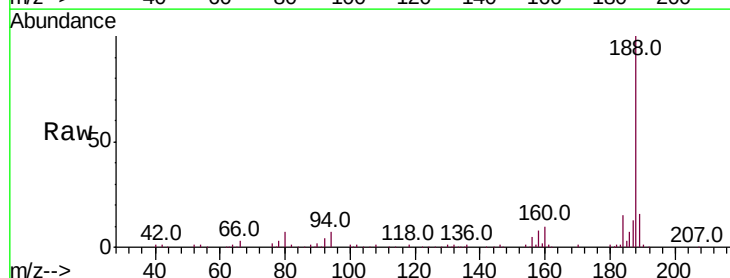


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

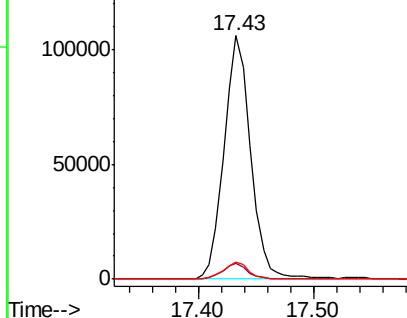
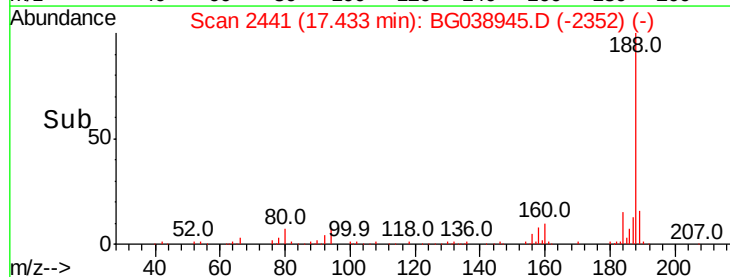


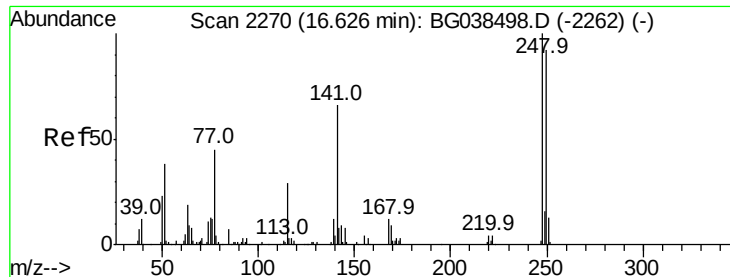
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BG038945.D
 Acq: 5 Jan 2019 1:02

Tgt Ion:188 Resp: 169299
 Ion Ratio Lower Upper
 188 100
 94 6.7 5.1 7.7
 80 6.9 6.1 9.1



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

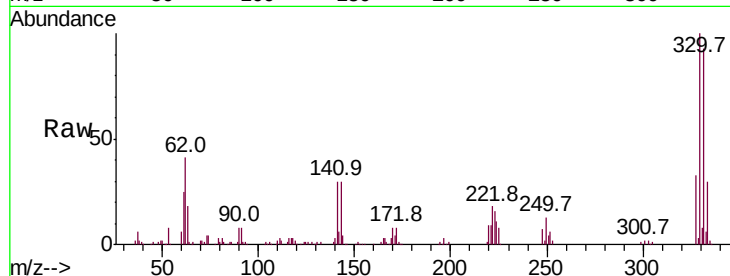




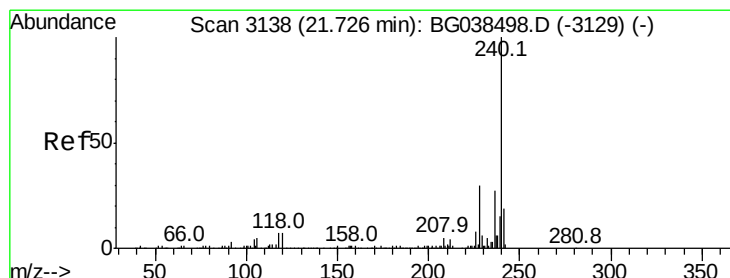
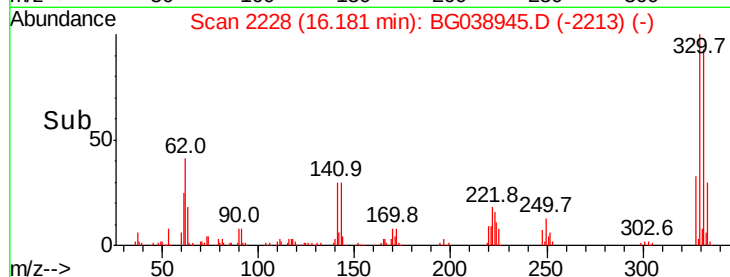
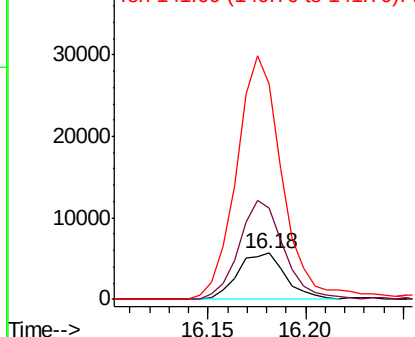
#67
4-Bromophenyl-phenylether
Concen: 4.626 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.44 min
Lab File: BG038945.D
Acq: 5 Jan 2019 1:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 9564
Ion Ratio Lower Upper
248 100
250 200.6 73.4 110.2#
141 367.7 52.9 79.3#

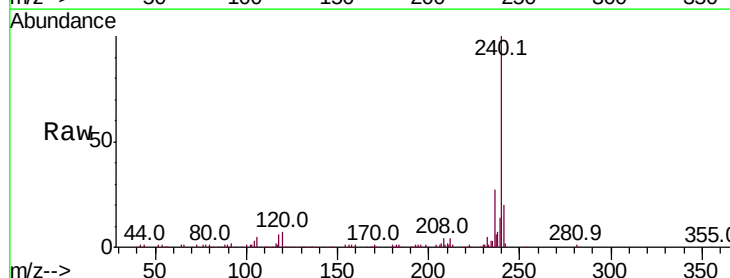


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

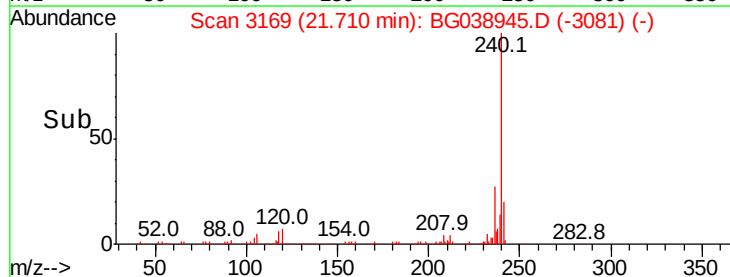
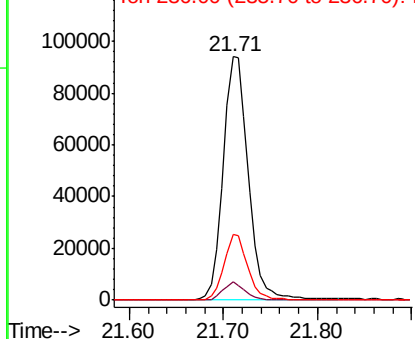


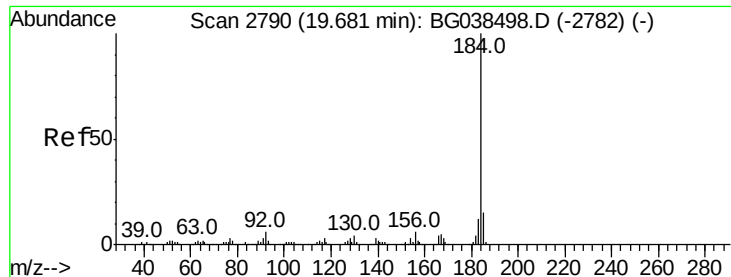
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3169
Delta R.T. -0.02 min
Lab File: BG038945.D
Acq: 5 Jan 2019 1:02

Tgt Ion:240 Resp: 175699
Ion Ratio Lower Upper
240 100
120 7.3 5.3 7.9
236 27.1 21.4 32.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.851 ng

RT: 20.04 min Scan# 2884

Delta R.T. 0.35 min

Lab File: BG038945.D

Acq: 5 Jan 2019 1:02

Instrument :

BNA_G

ClientSampleId :

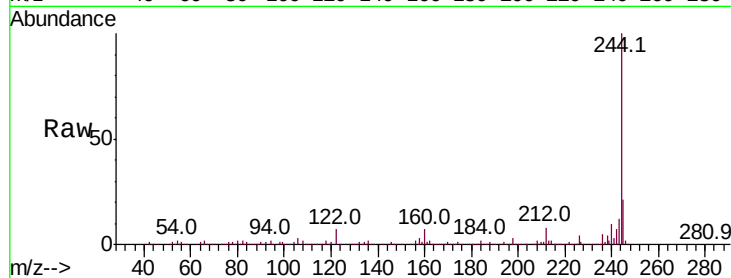
Tot Ion:184 Resp: 14812

Ion Ratio Lower Upper

184 100

185 13.3 12.2 18.2

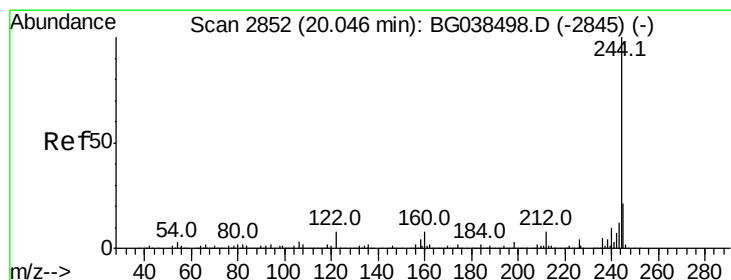
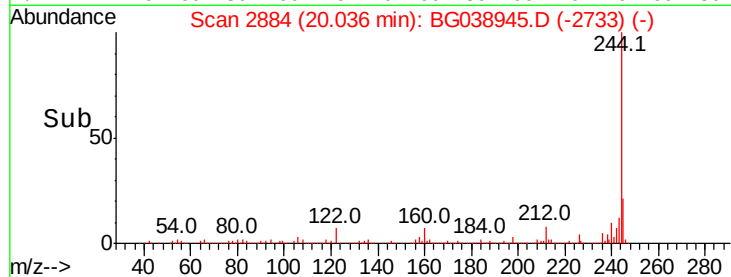
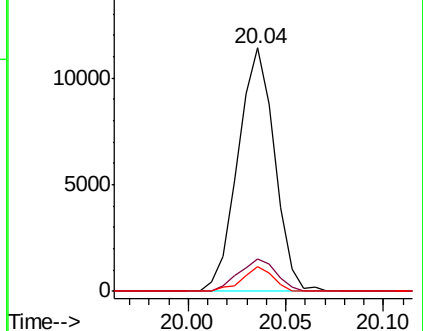
183 10.1 9.6 14.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 111.458 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG038945.D

Acq: 5 Jan 2019 1:02

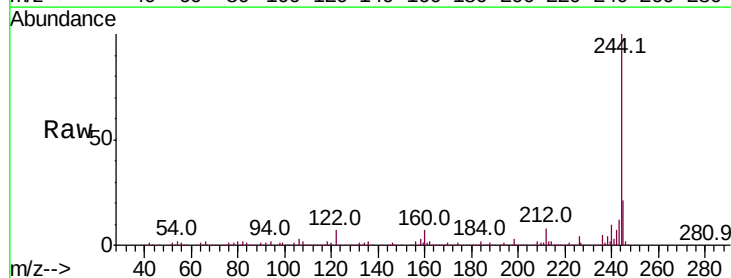
Tgt Ion:244 Resp: 899821

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

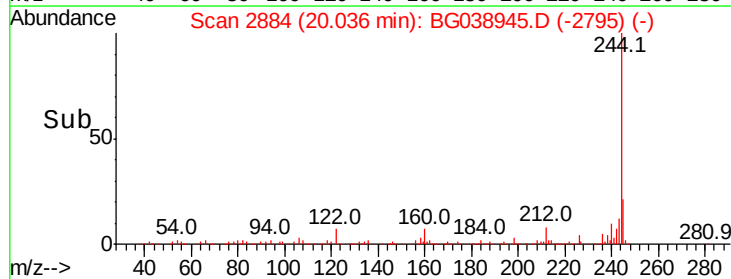
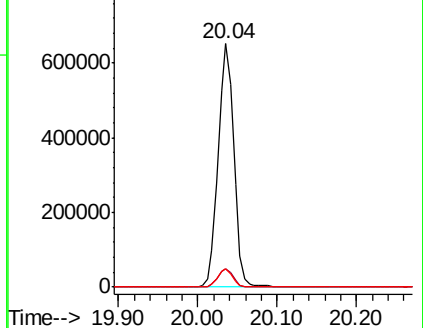
122 7.3 6.3 9.5

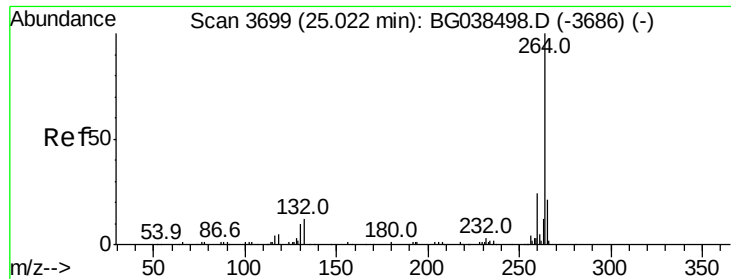


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.01 min Scan# 3730
Delta R.T. -0.02 min
Lab File: BG038945.D
Acq: 5 Jan 2019 1:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.1	18.9	28.3
265	21.9	17.0	25.4

